

GEORGIOS KELIRIS

Director | Cognitive Neuromodulation Group
The Cyprus Institute of Neurology & Genetics



CONTACT

-  georgiosk@cing.ac.cy
-  +357-22-358600 (Switchboard)
-  6 Iroon Avenue, 2371 Ayios Dometios, Nicosia, Cyprus

INFO



<https://www.cing.ac.cy>

ORCID iD [0000-0001-6732-1261](https://orcid.org/0000-0001-6732-1261)

ResearcherID [B-6692-2008](https://orcid.org/B-6692-2008)

Google Scholar [Click here](#)

- Citations: 3514
- H-index: 29
- i10-index: 46

SKILLS

Problem solving | Innovation | Leadership | Analysis | Strategy | Management | Life Sciences | Research | Teaching | Public Speaking | Supervision

RESEARCH PROFILE

Neuroscientist specializing in multimodal neuroimaging, neuromodulation, and computational modeling of large-scale brain networks. His research integrates chemogenetics, electrophysiology, and advanced MRI with AI-driven analytical frameworks to uncover mechanisms of network dysfunction in neurodegenerative and neuropsychiatric disorders.

Leads translational projects bridging systems neuroscience and machine learning to identify early biomarkers and intervention targets in Alzheimer's disease, Autism, epilepsy, and cognitive disorders.

Author of >70 peer-reviewed publications in leading journals including Science, Nature Neuroscience, Neuron, and PNAS. Secured €4.3M+ in competitive research funding as PI/co-PI. Supervised 9 PhDs, 6 post-docs, and 30+ MSc theses. Served as a member of the Board of the Belgian Society for Neuroscience and is affiliated with Society for Neuroscience, FENS, and other professional organizations.

EDUCATION

- 2008** **Dr. rer. nat. (PhD) in Neural and Behavioural Sciences**
Graduate School of Neural & Behavioural Sciences
University of Tübingen, Tübingen, Germany
Supervisors: Prof. Nikos K. Logothetis / Prof. Andreas S. Tolias
- 2003** **Master of Science in Neural and Behavioural Sciences**
Graduate School of Neural & Behavioural Sciences
University of Tübingen, Tübingen, Germany
- 2000** **Bachelor of Science in Physics**
Faculty of Physics
University of Cyprus, Nicosia, Cyprus

THESIS

- Mar 2008 **Ph.D Thesis**
“Investigating the Neural Correlates of Visual Perception”
Supervisors: Prof. Nikos K. Logothetis / Prof. Andreas S. Tolias
- Feb 2003 **M.Sc Thesis**
“Evaluation of Single Unit Isolation: Tetrode Recordings in Awake Behaving Macaques”. Supervisor: Prof. Andreas S. Tolias
- Jun 2000 **B.Sc Thesis**
“Strategies for the search of the HIGGS boson in the CMS experiment. Fission channel: Higgs to two photons” (in Greek)
Supervisor: Prof. Panos Razis

ACADEMIC POSITIONS

- Nov 2025 - present **Senior Research Associate / Group Head**
The Cyprus Institute of Neurology & Genetics
Nicosia, Cyprus
- Jan 2025 - present **Visiting Professor**
VIB-KU Leuven Center for Neuroscience (ex Brain & Disease Research)
Leuven, Belgium
- Sep 2023 - present **Guest Scientist**
Max-Planck Institute for Biological Cybernetics
Tübingen, Germany
- Dec 2024 - Oct 2025 **Research Specialist**
Brigham and Women’s Hospital - Harvard Medical School
Boston, USA
- Feb 2023 - Nov 2024 **Visiting Professor**
Brigham and Women’s Hospital - Harvard Medical School
Boston, USA
- May 2022 - Jan 2024 **Research Associate**
Institute of Computer Science, Foundation for Research & Technology, Hellas (FORTH), Heraklion, Greece
- Jan 2015 - Dec 2021 **Assistant Professor**
University of Antwerp
Antwerp, Belgium
- Jan 2010 - Dec 2014 **Principal Investigator (project C5)**
Bernstein Center for Computational Neuroscience Tübingen
Tübingen, Germany
- Apr 2008 - Jan 2015 **Post-doctoral Fellow | Project Leader (from Dec 2012)**
Max-Planck Institute for Biological Cybernetics
Tübingen, Germany

RESEARCH INTERNSHIPS

Apr 2023	Bruker France <i>NeuronXnets secondment with Dr. Romina Macco Palaiseau, France</i>
Jan 2023 - Feb 2023	Prometronics, Inc. <i>NeuronXnets secondment with Dr. Andre Kempe Munich, Germany</i>
Jun 2012 - Aug 2012	RIKEN Brain Science Institute <i>"The role of attention in center-surround interactions in the visual cortex" with Dr. Justin L. Gardner, Saitama, Japan</i>
Aug 2002 - Feb 2003	Max-Planck Institute for Biological Cybernetics <i>"Neural basis of decisions: fMRI studies in macaques" with Dr. Andreas, Tolias, Tübingen, Germany</i>
Feb 2002 - Aug 2002	Gatsby Computational Neuroscience Unit, UCL <i>"Connectivity of networks derived from firing properties of simulated neurons" with Prof. Peter Dayan, London, UK</i>
Sep 2001 - Feb 2002	Max-Planck Institute for Biological Cybernetics <i>"Human fMRI studies of the perceptual filling-in" with Dr. Stelios Smirnakis and Dr. Zoe Kourtzi</i>
Feb 2001 - Sep 2001	MEG Center, University of Tübingen <i>"Optimal visualization of the brain data collected by MEG & fMRI", with Dr. Christoph Braun and Dr. Nikolaus Weiskopf</i>

AWARDS & DISTINCTIONS

Jun 1998	Early Academic Performance Award <i>for the best performance in the core subjects of the Degree in Physics, University of Cyprus</i>
Jun 2000	First Award <i>for finishing first in the ranking of the Faculty of Physics, University of Cyprus</i>
Jan 2021 - Oct 2001	Stipendium for Master's studies <i>by International Max-Planck Research School, University of Tübingen, Tübingen, Germany</i>
Oct 2001 - Oct 2002	DAAD scholarship <i>by the German Academic Exchange Service (DAAD) for further academic study and training, Tübingen, Germany</i>
Sep 2002 - Aug 2005	PhD Scholarship <i>by the Max-Planck Society for Doctoral studies Tübingen, Germany</i>
Jun 2008 - Nov 2009	Post-doctoral Fellowship <i>scholarship by the Max-Planck Society Tübingen, Germany</i>
Jun 2009 - Nov 2012	Post-doctoral Fellowship <i>from European Research Council (FP7, Plasticise project) Tübingen, Germany</i>

RESEARCH FUNDING

As promotor

2021 -	<i>BOF - Doctoral Projects (4 y): Using chemogenetics to re-adjust</i>	€190.000
2025	<i>the output of the basal forebrain after cholinergic neuron depletion.</i>	
2021 -	<i>Stichting Alzheimer Onderzoek - Understanding therapeutic</i>	€250.000
2024	<i>efficacy of calorie restriction in Alzheimer's disease: dynamic rsfMRI and vascular reactivity as biomarkers in an AD rat model.</i>	
2021 -	<i>H2020-MSCA-RISE-2020: neuronsXnets - Network Analysis in</i>	€119.600
2025	<i>Neocortex during Passive and Active Learning. (University of Antwerp promotor). Total budget: €855.600</i>	
2018 -	<i>BOF - Doctoral Projects (4 y): How the interplay between basal</i>	€205.000
2022	<i>forebrain neuronal populations determines brain state and how this is changed in Alzheimer's disease.</i>	
2018 -	<i>FWO - Research Foundation Flanders: postdoctoral fellowship:</i>	€257.600
2021	<i>Cholinergic and noradrenergic modulation of memory and mood.</i>	
2018 -	<i>BOF - University Research Fund: 1-year doctoral fellowship in view</i>	€46.000
2019	<i>of a second FWO application: The role of non-cholinergic neurons in cholinergic neuromodulation.</i>	
2017 -	<i>FWO research project: Multimodal Imaging of cholinergic</i>	€560.000
2020	<i>neuromodulation during specific memory phases in the rodent brain.</i>	
2015 -	<i>BOF - Doctoral Projects 4 year: Spatial neglect in rodents: a model</i>	€190.000
2019	<i>for studying neuroplasticity at the network level.</i>	
2015 -	<i>BOF - Doctoral Projects 1 year: Processes of integration in multi-</i>	€40.000
2016	<i>stable visual motion perception.</i>	
2015 -	<i>Fund Recuperation Fiscal Exemption: projects: A system for</i>	€25.000
2017	<i>simultaneous acquisition of MRI and intracranial electrophysiology: a ground-breaking multimodal approach to study brain networks and their components.</i>	
2015 -	<i>Tenure track funding: In vivo MR imaging of small laboratory</i>	€383.829
2019	<i>animals.</i>	
2010 -	<i>BMBF; FKZ: 01GQ1002, Germany, Role: PI in subproject C5 BCCN</i>	€150.000
2015	<i>Tuebingen: Populations dynamic in multi-stable perception.</i>	

As co-promotor

2021 -	<i>IMARK. Network for image-based biomarker discovery and</i>	€145.000
2026	<i>evaluation.</i>	
2020 -	<i>FWO Medium scale research infrastructure: Upgrade of 9.4T</i>	€510.000
2024	<i>Bruker BioSpec MRI imaging system to Avance NEO hardware architecture.</i>	

2018-2021	<i>FWO - Research Foundation Flanders: postdoctoral fellowship: Does melanopsin mediate seasonal neuroplasticity in starlings?</i>	€ 257.600
2016-2019	<i>FWO - Research Foundation Flanders: postdoctoral fellowship: Seasonal neuroplasticity of visual and auditory system integration: an in vivo MRI study in starling.</i>	€ 247.914
2016-2020	<i>FWO Medium scale research infrastructure: Modular confocal microscopy platform with light sheet illumination.</i>	€ 528.860
2015-2018	<i>FWO - ERA-net - Fundamental Research: Ultrafast Functional Ultrasound (fUS) Imaging for highly resolved targetted mapping of functional connectivity in the awake mouse brain (FUSIMICE).</i>	€ 200.000

EDUCATION AND TEACHING

Positions of Responsibility

- *Doctoral studies coordinator - Department of Biomedical Sciences, University of Antwerp*
- *Exam's Committee - Master's in Biomedical Sciences, University of Antwerp*
- *Selection committee for new students - Master's in Biomedical Sciences, University of Antwerp*

Teaching (Lectures)

- 2023-2024 **Brain Networks** – University of Crete (3 c.hours)
Magnetic resonance imaging (MRI) – Principles and Analysis Methods
- 2022-2023 **Brain Networks** – University of Crete (3 c.hours)
Magnetic resonance imaging (MRI) – Principles and Analysis Methods
- 2021-2022 **Computational Neuroscience and Neuroinformatics**
(50 c.hours/6 STDP/~30 students/titularis)
- *Master of Biomedical Sciences: Neurosciences*
 - *Master in de biomedische wetenschappen: neurosciences*
 - *Master of Physics*
- Systems Neuroscience** (56 c.hours/6 STDP/~30 students/co-titularis)
- *Master of Biomedical Sciences: Neurosciences*
 - *Master in de biomedische wetenschappen: neurosciences*
- Integrated Neuroscience Practicals**
(44 c.hours / 3 STDP / ~30 students / co-titularis)
- *Master of Biomedical Sciences: Neurosciences*
- Brain Network Analysis** – University of Crete (3 c.hours)
Functional magnetic resonance imaging (fMRI) – a groundbreaking non-invasive technique that transformed neuroscience and its clinical applications
- 2020-2021 **Neuro Data Processing** (36 c.hours/5 STDP/23 students/titularis)
- *Master of Biomedical Sciences: Neurosciences*
 - *Master in de biomedische wetenschappen: neurosciences*
 - *Master of Physics*
- Integrated Research Practicals**
(90 c.hours/6 STDP/38 students/titularis)
- *Master of Biomedical Sciences: Infectious and Tropical Diseases*
 - *Master of Biomedical Sciences: Neurosciences*

Systems Neuroscience (30 c.hours/5 STDP/26 students/co-titularis)

- Master of Biomedical Sciences: Neurosciences
- Master in de biomedische wetenschappen: neurosciences

Geïntegreerde onderzoekspractica

(90 c.hours/6 STDP/72 students/co-titularis)

- Master of Biomedical Sciences: Infectious and Tropical Diseases
- Master of Biomedical Sciences: Neurosciences

State-of-the-Art lectures in biomedicine (1.5 c.hours / lecture)

- Master of Biomedical Sciences: all

Brain Network Analysis – University of Crete (3 c.hours)

Functional magnetic resonance imaging (fMRI) – a groundbreaking non-invasive technique that transformed neuroscience and its clinical applications

2019-2020 **Systems Neuroscience** (30 c.hours/5 STDP/26 students/co-titularis)

- Master of Biomedical Sciences: Neurosciences
- Master in de biomedische wetenschappen: neurosciences

Neurowetenschappen (52 c.hours/6 STDP/104 students/co-titularis)

- Bachelor in de biomedische wetenschappen
- Schakelprogramma biomedische wetenschappen

Supervision

- Oversight Committee for master theses: 20 finished
- Oversight Committee for PhD theses: 17 finished, 2 ongoing
- Honors class, Bachelor's and internship students: 13 finished
- Master's students: 16 finished
- PhD students: 9 finished, 1 ongoing
- Postdocs: 6 finished

SERVICE TO ACADEMIA

Editorial board memberships

2019 - *Frontiers in Human Neuroscience* (Associate Editor)
present

Organization of conferences and workshops

2021 Abstract reviewer, EMIM 2022

2020 Abstract reviewer, EMIM 2021

2020 Chairperson for the (sub)category on “MRI and Hyperpolarization” for the European Molecular Imaging Meeting (EMIM) 2020. Responsibilities include the selection of expert reviewers, encourage submissions, abstract assignment, presentation selection

2019 Abstract reviewer, EMIM 2020

2019 Organizer of f-Tales Workshop: Neuroplasticity and Neuromodulation at different scales.

2018 Abstract reviewer, EMIM 2019

- 2018 *Chairperson for the (sub)category on “MRI and Hyperpolarization” for the European Molecular Imaging Meeting (EMIM) 2018. Responsibilities include the selection of expert reviewers, encourage submissions, abstract assignment, presentation selection*
- 2017 *Abstract reviewer, EMIM 2018*
- 2017 *BMIC Congress 2017, chairperson in session "Imaging in Neurology"*
- 2015 *Organisation of symposium "fMRI population receptive field measurements and their applications to study brain plasticity and cognitive functions" at the International Brain Research Organization (IBRO) 9th World Congress*

Professional affiliations

- *Belgian Society for Neuroscience (BSN) – member of the board until end of 2021*
- *Society for Neuroscience (SfN)*
- *Vision Science Society (VSS)*
- *Federation of European Societies for Neuroscience (FENS)*
- *European Society for Molecular Imaging (ESMI)*
- *International Society of Magnetic Resonance in Medicine (ISMRM)*

Ad Hoc Reviewer (for more info see [Web Of Science profile](#))

- | | |
|--|---|
| • <i>Nature Methods</i> | • <i>Frontiers in Human Neuroscience</i> |
| • <i>Nature Communications</i> | • <i>Frontiers in Neuroscience</i> |
| • <i>Neuron</i> | • <i>Journal of Neurophysiology</i> |
| • <i>Proceedings of the National Academy of Sciences</i> | • <i>Cortex</i> |
| • <i>Current Biology</i> | • <i>Translational Neuroscience</i> |
| • <i>NeuroImage</i> | • <i>Molecular Brain</i> |
| • <i>NeuroImage: Clinical</i> | • <i>Brain Research Bulletin</i> |
| • <i>Scientific Reports</i> | • <i>Neurorehabilitation and Neural Repair</i> |
| • <i>Molecular Psychiatry</i> | • <i>Neuropsychiatric Disease and Treatment</i> |
| • <i>Journal of Neuroscience</i> | • <i>Neural Regeneration Research</i> |
| • <i>Journal of Cerebral Blood Flow and Metabolism</i> | • <i>Journal of Affective Disorders</i> |
| • <i>Neurophotonics</i> | • <i>Comprehensive Psychiatry</i> |
| | • <i>Athens Journal of Sciences</i> |

SERVICE TO SOCIETY

Consultancy

- 2024 *Referee of Czech Science Foundation (GAČR), Czech Republic*
- 2021 *Referee of Marsden Fund of the Royal Society Te Apārangi, New Zealand*
- 2021 *Referee of Einstein foundation grants, Berlin, Germany*
- 2020 *Referee of European Research Council (ERC) - Advanced grants*
- 2020 *Global Academy Jobs on open positions at York University*

2016	<i>Referee of ANR (France) Grants, France</i>
2014	<i>Referee for Mind Science Foundation Grants</i>
2011	<i>Referee for NWO (Netherlands) Grants</i>
2010	<i>Referee for Minerva Grants</i>

INVITED LECTURES

- 2024 – **University of Liège, Belgium** - Neuromodulation of cognitive circuits .
- 2023 – **Ruhr Universität Bochum, Germany** - Neuromodulation of cognitive circuits.
- 2020 – **UCB Online Lecture Series** - Chemogenetics and neuroimaging.
- 2020 – **University of Antwerp, Belgium** - Neuromodulation and multimodal imaging.
- 2020 – **Johnson & Johnson Belgium Seminar** - Chemogenetics and neuroimaging.
- 2020 – **CHDI Foundation** - Neuromodulation and brain networks.
- 2019 – **KU Leuven, Leuven, Belgium** - Receptive field sizes in humans and macaques.
- 2019 – **Nencki Institute, Warshaw, Poland** - Single-neuron RF sizes by fMRI.
- 2018 – **Tübingen Alumni Meeting, , Germany** MRI biomarkers of neurodegeneration.
- 2018 – **University of Fribourg, Switzerland** - Dynamic MRI and neuromodulation.
- 2016 – **Resting-state meeting, Vienna, Austria** - Visual fMRI across species.
- 2015 – **University of Antwerp, Belgium** - Brain plasticity with multimodal imaging.
- 2015 – **University of Trento, Italy** - Computational neuroimaging and neuroplasticity.
- 2015 – **IBRO World Congress, Rio de Janeiro, Brazil** - Checkerboard responses and RFs.
- 2015 – **Institute of Neuroscience, Newcastle, UK** - Multimodal imaging and plasticity.
- 2014 – **Belgian Brain Congress, Gent, Belgium** - Invasive neurostimulation.
- 2014 – **University of Cyprus, Nicosia, Cyprus** - Visual RF mapping in cortical blindness.
- 2014 – **Bio-Imaging Lab, Antwerp, Belgium**, Visual RF mapping in cortical blindness.
- 2014 – **University of Newcastle, Newcastle, UK**, - Optogenetics and visual neglect.
- 2013 – **Charite Universitätsmedizin, Berlin, Germany** - Population RF properties by fMRI.
- 2013 – **Networks! 2013, Tübingen, Germany** - RF mapping with fMRI.
- 2013 – **ESMRMB 2013, Tübingen, Germany** - Neuronal RF sizes by fMRI.
- 2012 – **New York University, USA** - pRF mapping and perceptual organization.
- 2012 – **RIKEN Brain Science Institute, Japan** - Attention and center-surround interactions.
- 2012 – **Plasticise Annual Meeting, Vienna, Austria** - Population RFs by fMRI.
- 2012 – **Universitätsklinikum Tübingen, Germany** -Population RFs in achromatopsia.

JOURNAL PUBLICATIONS

Peer reviewed

72. Ninghetto, M., **Keliris, G.A.**, Szulborski, K., Gałeck, T., Kossowski, B., Panneman, D., Cremers, F.P.M., Ołdak, M., Szaflik, J.P., Burnat, K. (2025) Cortical response to transient and long-term visual field loss. *Cereb. Cortex* 35, bhaf237 (2025). <https://doi.org/10.1093/cercor/bhaf237>
71. van den Berg, M., Heymans, L., Toen, D., Adhikari, M.A., Van Audekerke, J., Verschuuren, M., Pintelon, I., De Vos, W., Van der Linden, A., Verhoye, M., **Keliris, G.A.** (2025) Partial normalization of hippocampal oscillatory activity during sleep in TgF344-AD rats coincides with increased cholinergic synapses at early-plaque stage of Alzheimer's disease. *Acta Neuropathol. Commun.* 13, 96(2025) <https://doi.org/10.1186/s40478-025-02016-w>
70. Vrooman, R.M., van den Berg, M., Desrosiers-Gregoire, G., van Engelenburg, W.A., Galteau, M.E., Lee, S.H., Veltien, A., Barriere, D.A., Cash, D., Chakravarty, M.M., Devenyi, G.A., Gozzi, A., Grohn, O., Hess, A., Homberg, J.R., Jelescu, I.O., **Keliris, G.A.**, Scheenen, T., Shih, Y.I., Verhoye, M., Wary, C., Zwiers, M., and Grandjean, J., fMRI data acquisition and analysis for task-free, anesthetized rats. *Nat Protoc*, 2025. <https://doi.org/10.1038/s41596-024-01110-y>.
69. Razaeei A., van den Berg, M., Mirlohi H., Verhoye, M., Amiri, M., **Keliris, G.A.** (2024) Recurrence Quantification Analysis of rs-fMRI data: A Method to Detect Subtle Changes in the TgF344-AD Rat Model. *Computer Methods and Programs in Biomedicine*, 108378 <https://doi.org/10.1016/j.cmpb.2024.108378>
68. Washington, S., Shuttuck, K., Steckel, J., Peremans, H., Jonckers, E., Hinz, R., Venneman, T., Van den Berg, M., Van Ruijssevelt, L., Verellen, T., Pritchett, D.L., Scholliers, J., Liang, S., Wang, P., Verhoye, M., Esser, K.H., Van der Linden, A., & **Keliris, G.A.** (2024) Auditory cortical regions show resting-state functional connectivity with the default mode-like network in echolocating bats. *Proceedings of the National Academy of Sciences*, 121(27). <https://doi.org/10.1073/pnas.2306029121>
67. Amiri, S., van den Berg, M., Nazem-Zadeh, M.R., Verhoye, M., Amiri, M., **Keliris, G.A.** (2024) Nodal degree centrality in the default mode-like network of the TgF344-AD Alzheimer's disease rat model as a measure of early network alterations. *Npj Aging*, 10(1), 29. <https://doi.org/10.1038/s41514-024-00151-7>
66. Sanda, P., Hlinka, J., van den Berg, M., Skoch, A., Bazhenov, M., **Keliris, G.A.**, & Krishnan, G.P. (2024). Cholinergic modulation supports dynamic switching of resting state networks through selective DMN suppression. *PLOS Computational Biology*, 20(6), e1012099. <https://doi.org/10.1371/journal.pcbi.1012099>
65. De Waegenaere, S., van den Berg, M., **Keliris, G.A.**, Adhikari, M.H., Verhoye, M., (2024) Early altered directionality of resting state brain network state transitions in the TgF344-AD rat model of Alzheimer's disease. *Frontiers in Human Neuroscience* 18, 1379923. <https://doi.org/10.3389/fnhum.2024.1379923>

64. Moradi, F., van den Berg, M., Mirjebreili, M., Kosten, L., Verhoye, M., Amiri, M. & **Keliris, G.A.** (2023) Early classification of Alzheimer's Disease Phenotype based on Hippocampal Electrophysiology in the TgF344-AD rat model. *iScience* 107454 (2023). <https://doi.org/10.1016/j.isci.2023.107454>
63. Grandjean, J., ... , **Keliris, G.A.**, ... , and Hess, A. (2023) StandardRat: A multi-center consensus protocol to enhance functional connectivity specificity in the rat brain. *Nature Neuroscience* 2023, 1-9. (for a full list of authors see <https://doi.org/10.1038/s41593-023-01286-8>)
62. Adhikari, M. H., Vasilkovska, T., Cachope, R., Tang, H., Liu, L., **Keliris, G.A.**, Munoz-Sanjuan, I., Pustina, D., Linden, A. V. der & Verhoye, M. Longitudinal investigation of changes in resting-state co-activation patterns and their predictive ability in the zQ175 DN mouse model of Huntington's disease. *Sci. Rep.* 13, 10194 (2023). <https://doi.org/10.1038/s41598-023-36812-y>
61. Liang, S., **Keliris, G.A.**, Wang, J., & Shan, B. (2023). Editorial: Image processing methods in animal MRI and their application to evaluate brain function. *Frontiers in Neuroscience*, 17, 1147057. <https://doi.org/10.3389/fnins.2023.1147057>
60. van den Berg, M., Toen, D., Verhoye, M. & **Keliris, G.A.** (2023) Alterations in theta-gamma coupling and sharp wave-ripple, signs of prodromal hippocampal network impairment in the TgF344-AD rat model. *Front Aging Neurosci* 15, 1081058 (2023). <https://doi.org/10.3389/fnagi.2023.1081058>
59. Salimi-Nezhad, N., Missault, S., Reinoso, A. N., Hassani, A., Amiri, M., & **Keliris, G.A.** (2023). The impact of selective and non-selective medial septum stimulation on hippocampal neuronal oscillations: A study based on modeling and experiments. *Neurobiology of Disease*, 106052. <https://doi.org/10.1016/j.nbd.2023.106052>
58. Ben-Nejma, I.R.H.*, Keliris, A.J.*, Vanreusel, V., Ponsaerts, P., Van der Linden, A., & **Keliris, G.A.** (2023). Altered dynamics of glymphatic flow in a mature-onset Tet-off APP mouse model of amyloidosis. *Alzheimer's Research & Therapy*, 15(1), 23. <https://doi.org/10.1186/s13195-023-01175-z> (*equal contribution)
57. Azad, F., Zare, M., Amiri, M., & **Keliris, G.A.** (2023). Analysis of the spike responses in the neuromorphic implementation of the two-compartmental model of hippocampal pyramidal neuron. *Journal of Computational Science*, 2023. 66, 101909. <https://doi.org/10.1016/j.jocs.2022.101909>
56. van den Berg, M., Adhikari, M.H., Verschuuren, M., Pintelon, I., Vasilkovska, T., Van Audekerke, J., Missault, S., Heymans, L., Ponsaerts, P., De Vos, W.H., Van der Linden, A., **Keliris, G.A.***, and Verhoye, M.*, Altered basal forebrain function during whole-brain network activity at pre- and early-plaque stages of Alzheimer's disease in TgF344-AD rats. *Alzheimer's Research & Therapy*, 2022. 14(1): p. 148. <https://doi.org/10.1186/s13195-022-01089-2>. (*equal contribution)
55. Taleei, T., Nazem-Zadeh, M.-R., Amiri, M., and **Keliris, G.A.**, EEG-based functional connectivity for tactile roughness discrimination. *Cognitive Neurodynamics*, 2022: p. 1-20. <https://doi.org/10.1007/s11571-022-09876-1>.

54. Rina, A., Papanikolaou, A., Zong, X., Papageorgiou, D.T., **Keliris, G.A.***, and Smirnakis, S.M.*, Visual Motion Coherence Responses in Human Visual Cortex. *Front Neurosci*, 2022. 16: p. 719250. <https://doi.org/10.3389/fnins.2022.719250>. (*equal contribution)
53. Rezakhani, S., Amiri, M., Weckhuysen, S., and **Keliris, G.A.**, Therapeutic efficacy of seizure onset zone-targeting high-definition cathodal tDCS in patients with drug-resistant focal epilepsy. *Clin Neurophysiol*, 2022. 136: p. 219-227. <https://doi.org/10.1016/j.clinph.2022.01.130>.
52. Kosten, L., Emmi, S.A., Missault, S., and **Keliris, G.A.**, Combining magnetic resonance imaging with readout and/or perturbation of neural activity in animal models: Advantages and pitfalls. *Front Neurosci*, 2022. 16: p. 938665. <https://doi.org/10.3389/fnins.2022.938665>.
51. **Keliris, G.A.**, Shao, Y., Schmid, M.C., Augath, M., Logothetis, N.K., and Smirnakis, S.M., Macaque Area V2/V3 Reorganization Following Homonymous Retinal Lesions. *Front Neurosci*, 2022. 16: p. 757091. <https://doi.org/10.3389/fnins.2022.757091>.
50. Seitz, P.I., Erb, M., Ethofer, T., Rina, A., **Keliris, G.A.**, Fischer, M.D., Bartz-Schmidt, K-U., Neural plasticity of the human visual system reflects treatment effect in gene therapy for Achromatopsia. *Investigative Ophthalmology & Vision Science*, 2022. 63(7): p. 452. <https://doi.org/10.1167/iovs.63.7.452>.
49. Demertzi, A., Kucyi, A., Ponce-Alvarez, A., **Keliris, G.A.**, Whitfield-Gabrieli, S., and Deco, G., Functional network antagonism and consciousness. *Network Neuroscience*, 2022: p. 1-12. https://doi.org/10.1162/netn_a_00244.
48. Washington, S.D., Pritchett, D.L., **Keliris, G.A.**, and Kanwal, J.S., Hemispheric and Sex Differences in Mustached Bat Primary Auditory Cortex Revealed by Neural Responses to Slow Frequency Modulations. *Symmetry (Basel)*, 2021. 13(6): p. 1037. <https://doi.org/10.3390/sym13061037>.
47. Salimi-Nezhad, N., Hasanlou, M., Amiri, M., and **Keliris, G.A.**, A neuromimetic realization of hippocampal CA1 for theta wave generation. *Neural Netw*, 2021. 142: p. 548-563. <https://doi.org/10.1016/j.neunet.2021.07.002>.
46. Bello, M.E., Billings, J., Abbas, A., Kashyap, A., Pan, W.J., Hinz, R., Vanreusel, V., Van Audekerke, J., Van der Linden, A., Keilholz, S.D., Verhoye, M., and **Keliris, G.A.**, Resting Brain Fluctuations Are Intrinsically Coupled to Visual Response Dynamics. *Cereb Cortex*, 2020. 31(3): p. 1511-1522. <https://doi.org/10.1093/cercor/bhaa305>.
45. Peeters, L.M., van den Berg, M., Hinz, R., Majumdar, G., Pintelon, I., and **Keliris, G.A.**, Cholinergic Modulation of the Default Mode Like Network in Rats. *iScience*, 2020. 23(9): p. 101455. <https://doi.org/10.1016/j.isci.2020.101455>.
44. Hamaide, J., Lukacova, K., Orije, J., Keliris, G.A., Verhoye, M., and Van der Linden, A., In vivo assessment of the neural substrate linked with vocal imitation accuracy. *Elife*, 2020. 9. <https://doi.org/10.7554/eLife.49941>.

43. Peeters, L.M., Missault, S., Keliris, A.J., and **Keliris, G.A.**, Combining designer receptors exclusively activated by designer drugs and neuroimaging in experimental models: A powerful approach towards neurotheranostic applications. *Br J Pharmacol*, 2020. 177(5): p. 992-1002. <https://doi.org/10.1111/bph.14885>.
42. Peeters, L.M., Hinz, R., Detrez, J.R., Missault, S., De Vos, W.H., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Chemogenetic silencing of neurons in the mouse anterior cingulate area modulates neuronal activity and functional connectivity. *Neuroimage*, 2020. 220: p. 117088. <https://doi.org/10.1016/j.neuroimage.2020.117088>.
41. Grandjean, J., Canella, C., Anckaerts, C., Ayranci, G., Bougacha, S., Bienert, T., Buehlmann, D., Coletta, L., Gallino, D., Gass, N., Garin, C.M., Nadkarni, N.A., Hubner, N.S., Karatas, M., Komaki, Y., Kreitz, S., Mandino, F., Mechling, A.E., Sato, C., Sauer, K., Shah, D., Strobel, S., Takata, N., Wank, I., Wu, T., Yahata, N., Yeow, L.Y., Yee, Y., Aoki, I., Chakravarty, M.M., Chang, W.T., Dhenain, M., von Elverfeldt, D., Harsan, L.A., Hess, A., Jiang, T., **Keliris, G.A.**, Lerch, J.P., Meyer-Lindenberg, A., Okano, H., Rudin, M., Sartorius, A., Van der Linden, A., Verhoye, M., Weber-Fahr, W., Wenderoth, N., Zerbi, V., and Gozzi, A., Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. *Neuroimage*, 2020. 205: p. 116278. <https://doi.org/10.1016/j.neuroimage.2019.116278>.
40. Detrez, J.R., Ben-Nejma, I.R.H., Van Kolen, K., Van Dam, D., De Deyn, P.P., Fransen, E., Verhoye, M., Timmermans, J.P., Nuydens, R., Van der Linden, A., **Keliris, G.A.**, and De Vos, W.H., Progressive tau aggregation does not alter functional brain network connectivity in seeded hTau.P301L mice. *Neurobiol Dis*, 2020. 143: p. 105011. <https://doi.org/10.1016/j.nbd.2020.105011>.
39. Adhikari, M.H., Belloy, M.E., Van der Linden, A., **Keliris, G.A.**, and Verhoye, M., Resting-State Co-activation Patterns as Promising Candidates for Prediction of Alzheimer's Disease in Aged Mice. *Front Neural Circuits*, 2020. 14: p. 612529. <https://doi.org/10.3389/fncir.2020.612529>.
38. Papanikolaou, A., **Keliris, G.A.**, Papageorgiou, T.D., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M., Organization of area hV5/MT+ in subjects with homonymous visual field defects. *Neuroimage*, 2019. 190: p. 254-268. <https://doi.org/10.1016/j.neuroimage.2018.03.062>.
37. Li, Q., Meso, A.I., Logothetis, N.K., and **Keliris, G.A.**, Scene Regularity Interacts With Individual Biases to Modulate Perceptual Stability. *Front Neurosci*, 2019. 13: p. 523. <https://doi.org/10.3389/fnins.2019.00523>.
36. **Keliris, G.A.**, Li, Q., Papanikolaou, A., Logothetis, N.K., and Smirnakis, S.M., Estimating average single-neuron visual receptive field sizes by fMRI. *Proc Natl Acad Sci U S A*, 2019. 116(13): p. 6425-6434. <https://doi.org/10.1073/pnas.1809612116>.
35. Bahmani, H., Li, Q., Logothetis, N.K., and **Keliris, G.A.**, Responses of Neurons in Lateral Intraparietal Area Depend on Stimulus-Associated Reward During Binocular Flash Suppression. *Front Syst Neurosci*, 2019. 13: p. 9. <https://doi.org/10.3389/fnsys.2019.00009>.

34. Hinz, R., Peeters, L.M., Shah, D., Missault, S., Belloy, M., Vanreusel, V., Malekzadeh, M., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Bottom-up sensory processing can induce negative BOLD responses and reduce functional connectivity in nodes of the default mode-like network in rats. *Neuroimage*, 2019. 197: p. 167-176. <https://doi.org/10.1016/j.neuroimage.2019.04.065>.
33. Ben-Nejma, I.R.H., Keliris, A.J., Daans, J., Ponsaerts, P., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Increased soluble amyloid-beta causes early aberrant brain network hypersynchronisation in a mature-onset mouse model of amyloidosis. *Acta Neuropathol Commun*, 2019. 7(1): p. 180. <https://doi.org/10.1186/s40478-019-0810-7>.
32. Hess, A., Hinz, R., **Keliris, G.A.**, and Boehm-Sturm, P., On the Usage of Brain Atlases in Neuroimaging Research. *Mol Imaging Biol*, 2018. 20(5): p. 742-749. <https://doi.org/10.1007/s11307-018-1259-y>.
31. Belloy, M.E., Shah, D., Abbas, A., Kashyap, A., Rossner, S., Van der Linden, A., Keilholz, S.D., **Keliris, G.A.***, and Verhoye, M.*, Quasi-Periodic Patterns of Neural Activity improve Classification of Alzheimer's Disease in Mice. *Sci Rep*, 2018. 8(1): p. 10024. <https://doi.org/10.1038/s41598-018-28237-9>. (*equal contribution)
30. Belloy, M.E., Naeyaert, M., Abbas, A., Shah, D., Vanreusel, V., van Audekerke, J., Keilholz, S.D., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M., Dynamic resting state fMRI analysis in mice reveals a set of Quasi-Periodic Patterns and illustrates their relationship with the global signal. *Neuroimage*, 2018. 180(Pt B): p. 463-484. <https://doi.org/10.1016/j.neuroimage.2018.01.075>.
29. Van Ruijssevelt, L., Washington, S.D., Hamaide, J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A., Song Processing in the Zebra Finch Auditory Forebrain Reflects Asymmetric Sensitivity to Temporal and Spectral Structure. *Front Neurosci*, 2017. 11: p. 549. <https://doi.org/10.3389/fnins.2017.00549>.
28. Takemura, H., Pestilli, F., Weiner, K.S., **Keliris, G.A.**, Landi, S.M., Sliwa, J., Ye, F.Q., Barnett, M.A., Leopold, D.A., Freiwald, W.A., Logothetis, N.K., and Wandell, B.A., Occipital White Matter Tracts in Human and Macaque. *Cereb Cortex*, 2017. 27(6): p. 3346-3359. <https://doi.org/10.1093/cercor/bhx070>.
27. Qrtiz-Rios, M., Azevedo, F.A.C., Kusmierek, P., Balla, D.Z., Munk, M.H., **Keliris, G.A.**, Logothetis, N.K., and Rauschecker, J.P., Widespread and Opponent fMRI Signals Represent Sound Location in Macaque Auditory Cortex. *Neuron*, 2017. 93(4): p. 971-983 e4. <https://doi.org/10.1016/j.neuron.2017.01.013>.
26. Shah, D., Blockx, I., **Keliris, G.A.**, Kara, F., Jonckers, E., Verhoye, M., and Van der Linden, A., Cholinergic and serotonergic modulations differentially affect large-scale functional networks in the mouse brain. *Brain Struct Funct*, 2016. 221(6): p. 3067-79. <https://doi.org/10.1007/s00429-015-1087-7>.
25. Papanikolaou, A., **Keliris, G.A.***, Lee, S., Logothetis, N.K., and Smirnakis, S.M., Nonlinear population receptive field changes in human area V5/MT+ of healthy subjects with simulated visual field scotomas. *Neuroimage*, 2015. 120: p. 176-90. <https://doi.org/10.1016/j.neuroimage.2015.06.085>. (*corresponding author)

24. Ortiz-Rios, M., Kusmirek, P., DeWitt, I., Archakov, D., Azevedo, F.A., Sams, M., Jaaskelainen, I.P., **Keliris, G.A.**, and Rauschecker, J.P., Functional MRI of the vocalization-processing network in the macaque brain. *Front Neurosci*, 2015. 9: p. 113. <https://doi.org/10.3389/fnins.2015.00113>.
23. Lee, S., Papanikolaou, A., **Keliris, G.A.**, and Smirnakis, S.M., Topographical estimation of visual population receptive fields by fMRI. *J Vis Exp*, 2015(96). <https://doi.org/10.3791/51811>.
22. Azevedo, F.A., Ortiz-Rios, M., Li, Q., Logothetis, N.K., and **Keliris, G.A.**, A Potential Role of Auditory Induced Modulations in Primary Visual Cortex. *Multisens Res*, 2015. 28(3-4): p. 331-49. <https://doi.org/10.1163/22134808-00002494>.
21. Schmid, M.C. and **Keliris, G.A.**, Filling-in versus filling-out: patterns of cortical short-term plasticity. *Trends Cogn Sci*, 2014. 18(7): p. 342-4. <https://doi.org/10.1016/j.tics.2014.01.013>.
20. Papanikolaou, A., **Keliris, G.A.***, Papageorgiou, T.D., Shao, Y., Krapp, E., Papageorgiou, E., Stingl, K., Bruckmann, A., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M., Population receptive field analysis of the primary visual cortex complements perimetry in patients with homonymous visual field defects. *Proc Natl Acad Sci U S A*, 2014. 111(16): p. E1656-65. (*corresponding author) <https://doi.org/10.1073/pnas.1317074111>.
19. Bahmani, H., Murayama, Y., Logothetis, N.K., and **Keliris, G.A.**, Binocular flash suppression in the primary visual cortex of anesthetized and awake macaques. *PLoS One*, 2014. 9(9): p. e107628. <https://doi.org/10.1371/journal.pone.0107628>.
18. Shao, Y.*, **Keliris, G.A.***, Papanikolaou, A., Fischer, M.D., Zobor, D., Jagle, H., Logothetis, N.K., and Smirnakis, S.M., Visual cortex organisation in a macaque monkey with macular degeneration. *Eur J Neurosci*, 2013. 38(10): p. 3456-64. <https://doi.org/10.1111/ejn.12349>. (*equal contribution)
17. Bahmani, H., Logothetis, N.K., **Keliris, G.A.**, Effects of binocular flash suppression in the anesthetized macaque. *Perception* 42(1), pp. 145-145 (165). <https://doi.org/10.1177/03010066130420S101>
16. Li, Q., Logothetis, N.K., **Keliris, G.A.**, Pattern motion signals from V1 receptive fields. *Perception* 42(1), pp. 145-145 (166). <https://doi.org/10.1177/03010066130420S101>
15. Lee, S., Papanikolaou, A., Logothetis, N.K., Smirnakis, S.M., and **Keliris, G.A.**, A new method for estimating population receptive field topography in visual cortex. *Neuroimage*, 2013. 81: p. 144-157. <https://doi.org/10.1016/j.neuroimage.2013.05.026>.
14. Stoewer, S., Goense, J., **Keliris, G.A.**, Bartels, A., Logothetis, N.K., Duncan, J., and Sigala, N., An analysis approach for high-field fMRI data from awake non-human primates. *PLoS One*, 2012. 7(1): p. e29697. <https://doi.org/10.1371/journal.pone.0029697>.

13. Maier, A., Panagiotaropoulos, T.I., Tsuchiya, N., and **Keliris, G.A.**, Introduction to research topic - binocular rivalry: a gateway to studying consciousness. *Front Hum Neurosci*, 2012. 6: p. 263. <https://doi.org/10.3389/fnhum.2012.00263>.
12. Dominik Fischer, M., Zobor, D., **Keliris, G.A.**, Shao, Y., Seeliger, M.W., Haverkamp, S., Jagle, H., Logothetis, N.K., and Smirnakis, S.M., Detailed functional and structural characterization of a macular lesion in a rhesus macaque. *Doc Ophthalmol*, 2012. 125(3): p. 179-94. <https://doi.org/10.1007/s10633-012-9340-3>.
11. Stoewer, S., Goense, J., **Keliris, G.A.**, Bartels, A., Logothetis, N.K., Duncan, J., and Sigala, N., Realignment strategies for awake-monkey fMRI data. *Magn Reson Imaging*, 2011. 29(10): p. 1390-400. <https://doi.org/10.1016/j.mri.2011.05.003>.
10. **Keliris, G.A.**, Logothetis, N.K., and Tolias, A.S., The role of the primary visual cortex in perceptual suppression of salient visual stimuli. *J Neurosci*, 2010. 30(37): p. 12353-65. <https://doi.org/10.1523/JNEUROSCI.0677-10.2010>.
9. Ecker, A.S., Berens, P., **Keliris, G.A.**, Bethge, M., Logothetis, N.K., and Tolias, A.S., Decorrelated neuronal firing in cortical microcircuits. *Science*, 2010. 327(5965): p. 584-7. <https://doi.org/10.1126/science.1179867>.
8. Berens, P., **Keliris, G.A.**, Ecker, A.S., Logothetis, N.K., and Tolias, A.S., Comparing the feature selectivity of the gamma-band of the local field potential and the underlying spiking activity in primate visual cortex. *Front Syst Neurosci*, 2008. 2: p. 2. <https://doi.org/10.3389/neuro.06.002.2008>.
7. Berens, P., **Keliris, G.A.**, Ecker, A.S., Logothetis, N.K., and Tolias, A.S., Feature selectivity of the gamma-band of the local field potential in primate primary visual cortex. *Front Neurosci*, 2008. 2(2): p. 199-207. <https://doi.org/10.3389/neuro.01.037.2008>.
6. Tolias, A.S., Ecker, A.S., Siapas, A.G., Hoenselaar, A., **Keliris, G.A.**, and Logothetis, N.K., Recording chronically from the same neurons in awake, behaving primates. *J Neurophysiol*, 2007. 98(6): p. 3780-90. <https://doi.org/10.1152/jn.00260.2007>.
5. Pfeuffer, J., Shmuel, A., **Keliris, G.A.**, Steudel, T., Merkle, H., and Logothetis, N.K., Functional MR imaging in the awake monkey: effects of motion on dynamic off-resonance and processing strategies. *Magn Reson Imaging*, 2007. 25(6): p. 869-82. <https://doi.org/10.1016/j.mri.2007.03.002>.
4. **Keliris, G.A.**, Shmuel, A., Ku, S.P., Pfeuffer, J., Oeltermann, A., Steudel, T., and Logothetis, N.K., Robust controlled functional MRI in alert monkeys at high magnetic field: effects of jaw and body movements. *Neuroimage*, 2007. 36(3): p. 550-70. <https://doi.org/10.1016/j.neuroimage.2007.02.057>.
3. Tolias, A.S., **Keliris, G.A.**, Smirnakis, S.M., and Logothetis, N.K., Reply to "Motion processing in macaque V4". *Nature Neuroscience*, 2005. 8(9): p. 1125-1125. <https://doi.org/10.1038/nn0905-1125b>.

2. Tolia, A.S., **Keliris, G.A.**, Smirnakis, S.M., and Logothetis, N.K., Neurons in macaque area V4 acquire directional tuning after adaptation to motion stimuli. *Nat Neurosci*, 2005. 8(5): p. 591-3. <https://doi.org/10.1038/nn1446>.
1. Moutoussis, K., **Keliris, G.A.**, Kourtzi, Z., and Logothetis, N., A binocular rivalry study of motion perception in the human brain. *Vision Res*, 2005. 45(17): p. 2231-43. <https://doi.org/10.1016/j.visres.2005.02.007>.

Pre-prints

24. Savaglio, M. A., Brozi, C., Psilou, E., Koumpouzi, C., Papadostefanaki, M., Vasilakos, C., Nesis, S., Smyrnakis, E., Akoutas, V., **Keliris, G.A.**, Palagina, G., Smirnakis, S.M., Papadopoul, M. Direction of motion decoding in mouse V1: Neuron predictive power relates to functional connectivity organization. *bioRxiv* 2025.08.27.672292 (2025) <https://doi.org/10.1101/2025.08.27.672292>
23. De Waegenaere, S., van den Berg, M., **Keliris, G.A.**, Adhikari, M.H., Verhoye, M., Early altered directionality of resting state brain network state transitions in the TgF344-AD rat model of Alzheimer's disease. *bioRxiv*, 2024: <https://doi.org/10.1101/2024.02.05.578351>
22. van den Berg, M., Heymans, L., Toen, D., Adhikari, M. A., van Audekerke, J., Verschuuren, M., Pintelon, I., De Vos, W. H., Van der Linden, A., Verhoye, M. & **Keliris, G.A.** Functional restoration of REM sleep fragmentation, hippocampal oscillatory activity and altered cholinergic signaling at presymptomatic stages of AD. *Research Square*, 2023. <https://doi.org/10.21203/rs.3.rs-3242077/v1>
21. Sanda, P., Hlinka, J., van den Berg, M., Bazhenov*, M., **Keliris, G.A.***, and Krishnan, G.*, Cholinergic modulation supports DMN suppression during resting state. *bioRxiv*, 2022: p. 2022.11.01.514686. <https://doi.org/10.1101/2022.11.01.514686>. (*equal contribution)
20. Adhikari, M.H., Vasilkovska, T., Cachope, R., Tang, H., Liu, L., **Keliris, G.A.**, Munoz-Sanjuan, I., Pustina, D., Van Der Linden, A., and Verhoye, M., Longitudinal investigation of changes in resting-state co-activation patterns and their predictive ability in the zQ175 DN mouse model of Huntington's disease. *bioRxiv*, 2022: p. 2022.10.09.511485. <https://doi.org/10.1101/2022.10.09.511485>.
19. Moradi, F., van den Berg, M., Mirjebreili, M., Kosten, L., Verhoye, M., Amiri, M., and **Keliris, G.A.**, Early Electrophysiological Aberrations in the Hippocampus of the TgF344-AD Rat Model as a Potential Biomarker for Alzheimer's Disease Prognosis. *bioRxiv*, 2022: p. 2022.07.01.498373. <https://doi.org/10.1101/2022.07.01.498373>.
18. Missault, S., De Waegenaere, S., Kosten, L., Van der Linden, A., Verhoye, M., and **Keliris, G.A.**, Selective cholinergic stimulation of the medial septum-diagonal band of Broca via DREADDs improves spatial learning in healthy rats. *bioRxiv*, 2022: p. 2022.08.02.502516. <https://doi.org/10.1101/2022.08.02.502516>.

17. Grandjean, J., Desrosiers-Gregoire, G., Anckaerts, C., Angeles-Valdez, D., Ayad, F., Barrière, D.A., Blockx, I., Bortel, A.B., Broadwater, M., Cardoso, B.M., Célestine, M., Chavez-Negrete, J.E., Choi, S., Christiaen, E., Clavijo, P., Colon-Perez, L., Cramer, S., Daniele, T., Dempsey, E., Diao, Y., Doelemeyer, A., Dopfel, D., Dvořáková, L., Falfán-Melgoza, C., Fernandes, F.F., Fowler, C.F., Fuentes-Ibañez, A., Garin, C., Gelderman, E., Golden, C.E.M., Guo, C.C.G., Henckens, M.J.A.G., Hennessy, L.A., Herman, P., Hofwijks, N., Horien, C., Ionescu, T.M., Jones, J., Kaesser, J., Kim, E., Lambers, H., Lazari, A., Lee, S.-H., Lillywhite, A., Liu, Y., Liu, Y.Y., López-Castro, A., López-Gil, X., Ma, Z., MacNicol, E., Madularu, D., Mandino, F., Marciano, S., McAuslan, M.J., McCunn, P., McIntosh, A., Meng, X., Meyer-Baese, L., Missault, S., Moro, F., Naessens, D., Nava-Gomez, L.J., Nonaka, H., Ortiz, J.J., Paasonen, J., Peeters, L.M., Pereira, M., Perez, P.D., Pompilus, M., Prior, M., Rakhmatullin, R., Reimann, H.M., Reinwald, J., de Rio, R.T., Rivera-Olvera, A., Ruiz-Pérez, D., Russo, G., Rutten, T.J., Ryokey, R., Sack, M., Salvan, P., Sanganahalli, B.G., Schroeter, A., Seewoo, B.J., Selingue, E., Seuwen, A., Shi, B., Sirmipilatz, N., Smith, J.A.B., Smith, C., Sobczak, F., Stenroos, P.J., Straathof, M., Strobel, S., Sumiyoshi, A., Takahashi, K., Torres-García, M.E., Tudela, R., van den Berg, M., van der Marel, K., van Hout, A.T.B., Vertullo, R., Vidal, B., Vrooman, R.M., Wang, V.X., Wank, I., Watson, D.J.G., Yin, T., Zhang, Y., Zurbrugg, S., Achard, S., Alcauter, S., Auer, D.P., Barbier, E.L., Baudewig, J., Beckmann, C.F., Beckmann, N., Becq, G.J.P.C., Blezer, E.L.A., Bolbos, R., Boretius, S., Bouvard, S., Budinger, E., Buxbaum, J.D., Cash, D., Chapman, V., Chuang, K.-H., Ciobanu, L., Coolen, B., Dalley, J.W., Dhenain, M., Dijkhuizen, R.M., Esteban, O., Faber, C., Febo, M., Feindel, K.W., Forloni, G., Fouquet, J., Garza-Villarreal, E.A., Gass, N., Glennon, J.C., Gozzi, A., Gröhn, O., Harkin, A., Heerschap, A., Helluy, X., Herfert, K., Heuser, A., Homberg, J.R., Houwing, D.J., Hyder, F., Ielacqua, G.D., Jelescu, I.O., Johansen-Berg, H., Kaneko, G., Kawashima, R., Keilholz, S.D., **Keliris, G.A.**, Kelly, C., Kerskens, C., Khokhar, J.Y., Kind, P.C., Langlois, J.-B., Lerch, J.P., López-Hidalgo, M.A., Manahan-Vaughan, D., Marchand, F., Mars, R.B., Marsella, G., Micotti, E., Muñoz-Moreno, E., Near, J., Niendorf, T., Otte, W.M., Pais, P., Pan, W.-J., Prado-Alcalá, R.A., Quirarte, G.L., Rodger, J., Rosenow, T., Baptista, C.S., Sartorius, A., Sawiak, S.J., Scheenen, T.W.J., Shemesh, N., Shih, Y.-Y.I., Shmuel, A., Soria, G., Stoop, R., Thompson, G.J., Till, S.M., Todd, N., Van Der Linden, A., van der Toorn, A., van Tilborg, G.A.F., Vanhove, C., Veltien, A., Verhoye, M., Wachsmuth, L., Weber-Fahr, W., Wenk, P., Yu, X., Zerbi, V., Zhang, N., Zhang, B.B., Zimmer, L., Devenyi, G.A., Chakravarty, M.M. and Hess, A., StandardRat: A multi-center consensus protocol to enhance functional connectivity specificity in the rat brain. *bioRxiv*, 2022: p. 2022.04.27.489658. <https://doi.org/10.1101/2022.04.27.489658>.
16. van den Berg, M., Adhikari, M., Verschuuren, M., Pintelon, I., Vasilkovska, T., Audekerke, J.V., Missault, S., Heymans, L., Ponsaerts, P., Vos, W.H.D., Linden, A.V.d., **Keliris, G.A.**, and Verhoye, M., Altered basal forebrain function during whole-brain network activity at pre- and early-plaque stages of Alzheimer's disease in TgF344-AD rats. *Research Square*, 2022. <https://doi.org/10.21203/rs.3.rs-1791270/v1>.
15. Ben-Nejma, I.R.H., Keliris, A.J., Vanreusel, V., Ponsaerts, P., Van der Linden, A., and **Keliris, G.A.**, Dynamics of brain-fluid circulation are altered in the mature-onset Tet-off APP mouse model of amyloidosis. *bioRxiv*, 2022: p. 2022.03.11.483807. <https://doi.org/10.1101/2022.03.11.483807>.

14. Ben-Nejma, I.R.H.* , Keliris, A.J.* , Vanreusel, V., Ponsaerts, P., Van der Linden, A., and **Keliris, G.A.**, Altered dynamics of glymphatic flow in a mature-onset Tet-off APP mouse model of amyloidosis. Research Square, 2022. <https://doi.org/10.21203/rs.3.rs-1926670/v1>. (* equal contribution)
13. Rina, A., Papanikolaou, A., Xiaopeng, Z., Papageorgiou, D.T., **Keliris, G.A.**, and Smirnakis, S.M., Visual Motion Coherence Responses in Human Visual Cortex. bioRxiv, 2021: p. 2021.10.18.464860. <https://doi.org/10.1101/2021.10.18.464860>.
12. Hinz, R., Malekzadeh, M., Peeters, L.M., Vanreusel, V., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, An in-vivo digital atlas of the spatially reliable cerebral vasculature in mice. bioRxiv, 2021: p. 2021.10.21.465264. <https://doi.org/10.1101/2021.10.21.465264>.
11. Demertzi, A., Kucyi, A., Ponce-Alvarez, A., **Keliris, G.A.**, Whitfield-Gabrieli, S., and Deco, G., Functional network antagonism through the prism of theories of consciousness. PsyArXiv, 2021. <https://doi.org/10.31234/osf.io/sx862>.
10. Adhikari, M.H., Belloy, M.E., Van der Linden, A., **Keliris, G.A.**, and Verhoye, M., Resting-state Co-activation Patterns as Accurate Predictors of Alzheimer's Disease in Aged Mice. bioRxiv, 2020: p. 2020.10.22.349852. <https://doi.org/10.1101/2020.10.22.349852>.
9. Peeters, L.M., Hinz, R., Detrez, J.R., Missault, S., De Vos, W.H., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Chemogenetic silencing of neurons in the mouse anterior cingulate area modulates neuronal activity and functional connectivity. bioRxiv, 2019: p. 686725. <https://doi.org/10.1101/686725>.
8. Grandjean, J., Canella, C., Anckaerts, C., Ayrancı, G., Bougacha, S., Bienert, T., Buehlmann, D., Coletta, L., Gallino, D., Gass, N., Garin, C.M., Nadkarni, N.A., Hübner, N., Karatas, M., Komaki, Y., Kreitz, S., Mandino, F., Mechling, A.E., Sato, C., Sauer, K., Shah, D., Strobel, S., Takata, N., Wank, I., Wu, T., Yahata, N., Yeow, L.Y., Yee, Y., Aoki, I., Chakravarty, M.M., Chang, W.-T., Dhenain, M., Elverfeldt, D.v., Harsan, L.-A., Hess, A., Jiang, T., **Keliris, G.A.**, Lerch, J.P., Okano, H., Rudin, M., Sartorius, A., der Linden, A.V., Verhoye, M., Weber-Fahr, W., Wenderoth, N., Zerbi, V., and Gozzi, A., Common functional networks in the mouse brain revealed by multi-centre resting-state fMRI analysis. bioRxiv, 2019: p. 541060. <https://doi.org/10.1101/541060>.
7. Ben-Nejma, I.R.H., Keliris, A.J., Daans, J., Ponsaerts, P., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Increased soluble amyloid-beta causes early aberrant brain network hypersynchronisation in a mature-onset mouse model of amyloidosis. bioRxiv, 2019: p. 723981. <https://doi.org/10.1101/723981>.
6. Belloy, M.E., Billings, J., Abbas, A., Kashyap, A., Pan, W.-j., Hinz, R., Vanreusel, V., Van Audekerke, J., Van der Linden, A., Keilholz, S.D., Verhoye, M., and **Keliris, G.A.**, Resting brain fluctuations are intrinsically coupled to visual response dynamics. bioRxiv, 2019: p. 650291. <https://doi.org/10.1101/650291>.

5. Papanikolaou, A., **Keliris, G.A.**, Papageorgiou, T.D., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M., Organization of Area hV5/MT+ in Subjects with Homonymous Visual Field Defects. *bioRxiv*, 2018: p. 241836. <https://doi.org/10.1101/241836>.
4. **Keliris, G.A.**, Li, Q., Papanikolaou, A., Logothetis, N.K., and Smirnakis, S.M., Measuring single neuron visual receptive field sizes by fMRI. *bioRxiv*, 2018: p. 301648. <https://doi.org/10.1101/301648>.
3. Hinz, R., Peeters, L.M.B., Shah, D., Missault, S., Belloy, M., Vanreusel, V., Malekzadeh, M., Verhoye, M., Van der Linden, A., and **Keliris, G.A.**, Bottom-up sensory processing can decrease activity and functional connectivity in the default mode like network in rats. *bioRxiv*, 2018: p. 482638. <https://doi.org/10.1101/482638>.
2. Lakshminarasimhan, K.J., Logothetis, N.K., and **Keliris, G.A.**, Local differences in neuronal activation level decorrelate spatially coherent global fluctuations in gamma rhythms. *bioRxiv*, 2017: p. 150532. <https://doi.org/10.1101/150532>.
1. Takemura, H., Pestilli, F., Weiner, K.S., **Keliris, G.A.**, Landi, S.M., Sliwa, J., Ye, F.Q., Barnett, M.A., Leopold, D.A., Freiwald, W.A., Logothetis, N.K., and Wandell, B.A., Occipital white matter tracts in human and macaque. *bioRxiv*, 2016: p. 069443. <https://doi.org/10.1101/069443>.

ABSTRACTS & CONFERENCE PROCEEDINGS

150. Burnat, K., Lipinski, K., Ninghetto, M., Szulborski, K., Szaflik, J., **Keliris, G.A.** White-matter and primary visual cortex pRF analysis after central and peripheral photoceptor loss in STDG and Retinitis Pigmentosa patients. in *Investigative Ophthalmology & Visual Science* June 2025, Vol.66, 1017 vol. 66 1017 (ARVO Journals, 2025).
149. van den Berg, M. , Heymans, L., Toen, D., Adhikari, M.A., van Audekerke, J., Verschuuren, M., Pintelon, I., De Vos, W.H. , Van der Linden, A., **Keliris, G.A.**, Verhoye, M. (2024) Recovery of REM sleep fragmentation, hippocampal oscillatory activity and altered cholinergic signalling at presymptomatic stages of AD, Oral presentation & abstract, AD/PD, Lisbon, Portugal, 5-9 March 2024, Junior Faculty Award.
148. van den Berg, M. , Adhikari, M., Heymans, L., Toen, D., van Audekerke, J., **Keliris, G.A.**, Verhoye, M. (2023) Dynamic analysis of resting state functional MRI reveals network alterations at the pre-plaque stage of Alzheimer's Disease that coincide with behavioral and electrophysiological alterations. Poster & abstract ISMRM workshop on current issues in brain function, Padova, Italy 4-6 September 2023.
147. Adhikari, M.H., van den Berg, M., **Keliris, G.A.**, Deco, G., and Verhoye, M. (2023) Investigation of changes in Information Flow at pre and early plaque stages in the TgF344-AD rat Model of Alzheimer's Disease. in Poster & abstract ISMRM workshop on current issues in brain function, Padova, Italy 4-6 September 2023.

146. Adhikari, M.H., van den Berg, M., **Keliris, G.A.**, and Verhoye, M. (2023) Altered Information Flow from Forebrain to Cortex in A Rat Model of Early Alzheimer's Disease. in Poster & abstract Belgian Society for Neuroscience 2023, Brussels, Belgium 6 June 2023.
145. van Rooij J.R.A., van den Berg, M., Missault, S., van Audekerke, J., Bertoglio, D., **Keliris, G.A.**, Kosten, L., Verhoye, M. Short term effect of caloric restriction or resveratrol on functional connectivity in female TgF344-AD rats using rsfMRI. (2023) NEUROpitch, uNEUROday, in Antwerp, Belgium, 12th May 2023 . Award BEST NEUROpitch.
144. Vrooman, R., Desrosiers-Gregoire, G., Devenyi, G., Shih, Y.I., Lee, S.H., van den Berg, M., **Keliris, G.A.**, Grandjean, J. A consensus protocol for task-free anesthetized rat functional magnetic resonance imaging and data analysis. (2023) European Molecular Imaging Meeting, Salzburg, Austria.
143. van Rooij J.R.A., van den Berg, M., Missault, S., van Audekerke, J., Bertoglio, D., **Keliris, G.A.**, Kosten, L., Verhoye, M. Short term effect of caloric restriction or resveratrol on functional connectivity in female TgF344-AD rats using rsfMRI. (2023) Power pitch, Poster & abstract 2023 ISMRM-Benelux, in Brussels, Belgium, 24 March 2023
142. van Rooij J.R.A., van den Berg, M., Missault, S., van Audekerke, J., Bertoglio, D., **Keliris, G.A.**, Kosten, L., Verhoye, M. Short term effect of caloric restriction or resveratrol on functional connectivity in female TgF344-AD rats using rsfMRI. (2023) European Molecular Imaging Meeting, Salzburg, Austria.
141. Rina, A., Papanikolaou, A., **Keliris, G.A.**, and Smirnakis, S.M. Direction of motion discrimination training after V1+ lesions: fMRI analysis in 3 subjects. in Society for Neuroscience. 2022. San Diego, CA, USA.
140. Adhikari, M.H., van den Berg, M., **Keliris, G.A.**, and Verhoye, M. Altered Information Flow from Forebrain to Cortex in A Rat Model of Early Alzheimer's Disease. in Society for Neuroscience. 2022. San Diego, CA, USA.
139. Sanda, P., van den Berg, M., Bazhenov, M., Hlinka, J., **Keliris, G.A.**, & Krishnan, G. (2022). Cholinergic modulation of the default-mode network. Bernstein Conference.
138. Adhikari, M.H., van den Berg, M., **Keliris, G.A.**, Verhoye, M. Altered Information Flow from Forebrain to Cortex in A Rat Model of Early Alzheimer's Disease. Poster & abstract FENS 2022, Paris, France, 9-13 July 2022.
137. Missault, S., De Waegenaere, S., Kosten, L., Van Audekerke, J., Verhoye, M., Van der Linden, A., **Keliris, G.A.** (2022) Specific cholinergic stimulation of the medial septum-diagonal band of Broca via DREADDs improves reference memory in healthy rats. Abstract, poster & oral presentation Joint BMIC-DyMIC Conference 2022, Antwerp, Belgium, 3 May 2022

136. van den Berg, M., Adhikari, M. H., Heymans, L., Ponsaerts, P., Verhoye, M., & **Keliris, G.A.** (2022). Whole brain and local hippocampal alterations in network function in TgF344-AD rats. European Molecular Imaging Meeting, Thessaloniki, Greece.
135. Adhikari, M. H., Van den Berg, M., **Keliris, G.A.**, & Verhoye, M. (2022). Altered Information Flow from Forebrain to Cortex in A Rat Model of Early Alzheimer's Disease. FENS 2022, Paris.
134. Rina, A., Papanikolaou, A., **Keliris, G.A.**, & Smirnakis, S. M. (2022). Direction of Motion Discrimination Training after V1+ Lesions: fMRI analysis in 3 subjects. International Low Vision Conference, Dublin, Ireland.
133. Marco, N., Kubicka, K., Szulborski, K., Gatecki, T., Szaflik, J., **Keliris, G.A.**, & Burnat, K. (2022). Does transient narrowing of the visual field change properties of the cortical visual neurons? OHBM Annual Meeting, Glasgow.
132. Seitz, I. P., Erb, M., Enthofer, T., Rina, A., **Keliris, G.A.**, Bartz-Schmidt, K.-U., & Fischer, M. D. (2022). Neural plasticity of the human visual system reflects treatment effect in gene therapy for Achromatopsia. ARVO Annual Meeting.
131. van den Berg, M., Adhikari, M.H., **Keliris, G.A.***, and Verhoye, M.* Basal forebrain activity altered during recurrent patterns of brain activity in 4-month-old TgF344-AD rats. in European Molecular Imaging Meeting. 2021. Gottingen, Germany. (*equal contribution)
130. Missault, S., De Waegenaere, S., Kosten, L., Van Audekerke, J., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Specific cholinergic stimulation of the medial septum-diagonal band of Broca via DREADDs improves reference memory in healthy rats. in European Molecular Imaging Meeting. 2021. Gottingen, Germany.
129. Vasilkovska, T., Ben-Nejma, I.R.H., Embrechts, Z., Vanreusel, V., Pintelon, I., De Vos, W.H., **Keliris, G.A.**, Verhoye, M., and Van der Linden, A. Glymphatic clearance and AQP4 polarity changes in a late manifest-like stage in a Huntington's disease model. in European Molecular Imaging Meeting. 2021. Göttingen, Germany
128. Adhikari, M.H., Vasilkovska, T., Pustina, D., Liu, L., Cachope, R., Dominquez, C., Munoz-Sanjuan, I., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M. Resting-state co-activation patterns (CAPs) accurately predict pre- and manifest-stage Huntington's disease in mice. in European Molecular Imaging Meeting. 2021. Gottingen, Germany.
127. van den Berg, M., Adhikari, M.H., **Keliris, G.A.**, and Verhoye, M. Spatiotemporal aberrations of resting-state quasi-periodic patterns in 4-month-old TgF344-AD rats. in ISMRM. 2021. online.
126. Adhikari, M.H., Vasilkovska, T., Pustina, D., Liu, L., Cachope, R., Dominquez, C., Munoz-Sanjuan, I., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M. Resting-state co-activation patterns (CAPs) accurately predict pre- and manifest-stage Huntington's disease in mice. in ISMRM. 2021. online.

125. van den Berg, M., Adhikari, M.H., Vasilkovska, T., De Waegenaere, S., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M. Dynamic rsfMRI analysis methods to unravel network (dys)function in neurodegenerative disorders. in BMIC. 2021. online.
124. Adhikari, M.H., Vasilkovska, T., Pustina, D., Liu, L., Cachope, R., Tang, H., Dominguez, C., Munoz-Sanjuan, I., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M. Resting-state co-activation patterns (CAPs) accurately predict pre- and manifest-stage Huntington's disease in mice. in Huntington's Disease Therapeutics Conference. 2021. virtual.
123. Vasilkovska, T., Ben-Nejma, I.R.H., Embrechts, Z., Vanreusel, V., Pintelon, I., De Vos, W.H., **Keliris, G.A.**, Verhoye, M., and Van der Linden, A. Impairment of glymphatic clearance and AQP4 polarity changes in a late manifest-like stage in a Huntington's disease model: a proof-of-concept study in Huntington's Disease Therapeutics Conference 2021. 2021. Virtual
122. van den Berg, M., Adhikari, M.H., **Keliris, G.A.**, and Verhoye, M. Spatiotemporal aberrations of resting-state quasi-periodic patterns in 4-month-old TgF344-AD rats. in ISMRM-Benelux. 2021. online.
121. Adhikari, M.H., Vasilkovska, T., Pustina, D., Liu, L., Cachope, R., Dominguez, C., Munoz-Sanjuan, I., **Keliris, G.A.**, Van der Linden, A., and Verhoye, M. Resting-state co-activation patterns (CAPs) accurately predict pre- and manifest-stage Huntington's disease in mice. in ISMRM-Benelux. 2021. online.
120. van den Berg, M., Adhikari, M.H., **Keliris, G.A.**, and Verhoye, M. Spatiotemporal alterations of resting-state quasi-periodic patterns in 4-month-old TgF344-AD rats. in AD/PD 2021. 2021. Barcelona, Spain (Online).
119. Adhikari, M.H., Belloy, M., Van der Linden, A., **Keliris, G.A.**, and Verhoye, M. Resting-state co-activation patterns as promising candidates for accurate prediction of Alzheimer's disease in Aged Mice. in AD/PD 2021. 2021. Barcelona, Spain (Online).
118. Washington, S.D., **Keliris, G.A.**, and Kanwal, J.S. Spectral Combination-Sensitivity and FM Direction Preference Contribute Equally to Maximizing Responses of Cortical Neurons: A Mechanism for Binding Acoustic Features. in ARO MWM. 2020. San Jose, California, USA: Association for Research in Otolaryngology.
117. van den Berg, M., Peeters, L.M., Hinz, R., and **Keliris, G.A.** Stimulation of basal forebrain cholinergic neurons induces decreased functional connectivity in the default mode-like network in rats. in ISMRM-B. 2020. Arnhem, Netherlands.
116. van den Berg, M., Peeters, L.M., Hinz, R., and **Keliris, G.A.** Cholinergic modulation of the default mode-like network in rats. in European Molecular Imaging Meeting. 2020. online: ESMI.
115. Peeters, L.M., Van den Berg, M., Hinz, R., and **Keliris, G.A.** Stimulation of basal forebrain cholinergic neurons induces decreased functional connectivity in the default mode-like network in rats. in ISMRM. 2020. online.

114. Keliris, A.J., Ben-Nejma, I.R.H., Van den Berg, M., Vanreusel, V., Daans, J., Ponsaerts, P., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. In vivo assessment of glymphatic system efficacy and dynamics of 'brain-fluids-circulation' during the late-onset of Alzheimer's disease in TetO-APP^{SwE} mice and TgF344-AD rat model. in European Molecular Imaging Meeting. 2020. online: ESMI.
113. van den Berg, M., Peeters, L.M., Hinz, R., Verhoye, M., and **Keliris, G.A.** Functional connectivity in the default mode-like network decreased upon activation of basal forebrain cholinergic neurons in rats. in f-Tales. 2019. Antwerp.
112. van den Berg, M., Keliris, A.J., Ben-Nejma, I., Van Audekerke, J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. In vivo assessment of glymphatic clearance - Changes in waste drainage during ageing and AD. in Belgian Society for Neuroscience. 2019. Brussels, Belgium: Front. Neurosci.
111. van den Berg, M., Keliris, A.J., Ben-Nejma, I., Van Audekerke, J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. In vivo assessment of glymphatic clearance - Unraveling the role of the glymphatic system in Alzheimer's Disease. in BMIC. 2019.
110. Ramadan, A., Peeters, L.M., and **Keliris, G.A.** Signal discrimination task for characterization of spatial (in)attention in rats. in f-Tales. 2019. Antwerp.
109. Peeters, L.M., Hinz, R., Detrez, J.R., Missault, S., De Vos, W.H., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Chemogenetic silencing of neurons in mouse cingulate area induces long range neural activity and functional connectivity modulations: a DREADD-fMRI study. in f-Tales. 2019. Antwerp.
108. Keliris, A.J., Van den Berg, M., Ben-Nejma, I., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. DCE-MRI based visualization of brain-fluids-circulation: a window to cerebral distribution of neuromodulatory molecules? in f-Tales. 2019. Antwerp.
107. Hinz, R., Peeters, L.M., Shah, D., Missault, S., Belloy, M.E., Vanreusel, V., Malekzadeh, M., Verhoye, M., Van der Linden, A., and Keliris, G.A. Bottom-up sensory processing can induce negative BOLD responses and reduce functional connectivity in nodes of the default mode-like network in rats. in f-Tales. 2019.
106. Hinz, R., Peeters, L., Missault, S., Malekzadeh, M., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Bottom-up sensory processing can decrease activity and functional connectivity in the default mode like network in rats. in ISMRM-B. 2019. Leiden.
105. Hinz, R., Peeters, L., Missault, S., Malekzadeh, M., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Bottom-up sensory processing can decrease activity and functional connectivity in the default mode like network in rats. in European Molecular Imaging Meeting. 2019. Glasgow.
104. Hamaide, J., Lukacova, K., **Keliris, G.A.**, Verhoye, M., and Van der Linden, A. Neural correlates of song learning accuracy traced by in vivo MRI. in f-Tales. 2019. Antwerp.

103. Hamaide, J., Jonckers, E., Orije, J., Majumdar, G., Yadav, G., Van Meir, V., Van Auderkerke, J., **Keliris, G.A.**, Verhoye, M., and Van der Linden, A. Exploring the functional and structural properties of the songbird brain by MRI. in Comparative Imaging. 2019.
102. Detrez, J.R., Ben-Nejma, I.R.H., Van Dam, D., Van Kolen, K., Verhoye, M., **Keliris, G.A.**, Timmermans, J.P., Van der Linden, A., Nuydens, R., and De Vos, W.H. Induced tau pathology does now result in overt functional or behavioural changes in tau.P301L mice. in Understanding and targeting Alzheimer's Disease, The Brain Conferences (FENS). 2019. Rungstedgaard, Denmark: FENS.
101. Ben-Nejma, I., Keliris, A.J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. Longitudinal in vivo MRI assessment of functional connectivity reveals early pathological hypersynchronisation of brain networks in the inducible Tet-off APP mouse model of Alzheimer's disease. in BMIC. 2019.
100. Ben-Nejma, I., Keliris, A.J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. Longitudinal in vivo MRI assessment of functional connectivity reveals early pathological hypersynchronization of brain networks in the inducible Tet-off APP mouse model of Alzheimer's disease. in European Molecular Imaging Meeting. 2019. Glasgow.
99. Ben-Nejma, I., Keliris, A.J., Daans, J., Ponsaerts, P., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Increased Soluble A β in adult mice causes pathological brain network hypersynchronisation early after induction. in Belgian Society for Neuroscience. 2019. Brussels, Belgium: Front. Neurosci.
98. Washington, S.D., **Keliris, G.A.**, and Kanwal, J.S. Cortical Asymmetry for Sound Energy (CASE) in the Primary Auditory Cortex of the Mustached Bat. in APAN. 2018. San Diego, CA.
97. Rina, A., Moutoussis, K., Logothetis, N.K., and **Keliris, G.A.** Color processing in human visual cortex: fMRI study on normal trichromats, daltonic subject and totally color blind patients. in Low Vision and the Brain. 2018. Berlin.
96. Peeters, L., Hinz, R., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Investigation of the brain's functional connectivity in a rat model of spatial neglect-like deficits. in Belgian Brain Congress. 2018. Liège.
95. Peeters, L., Hinz, R., Missault, S., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** Functional MRI reveals resting state network alterations upon DREADD-induced silencing of the right dorsomedial prefrontal cortex in mice. in ISMRM-B. 2018. Antwerp, Belgium.
94. Peeters, L., Hinz, R., Missault, S., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** DREADD-MRI reveals functional connectivity changes upon inactivation of the right dorsomedial prefrontal cortex in mice. in BMIC goes EMIM. 2018. Gent, Belgium.

93. Peeters, L., Hinz, R., Missault, S., Verhoye, M., Van der Linden, A., and **Keliris, G.A.** DREADD-MRI reveals functional connectivity changes upon inactivation of the right dorsomedial prefrontal cortex in mice. in European Molecular Imaging Meeting. 2018. San-Sebastian, Spain.
92. **Keliris, G.A.**, Li, Q., Papanikolaou, A., Logothetis, N.K., and Smirnakis, S.M. Estimating average single neuron receptive field sizes in human primary visual cortex. in AREADNE. 2018. Santorini, Greece.
91. Keliris, A.J., Ben-Nejma, I., Garcia Corrales, A.V., Van Audekerke, J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. "Brain drain - 'efficacy of glymphatic system clearance' as a new emerging biomarker of CNS disorders". in BMIC. 2018. Brussels.
90. Hinz, R., Detrez, J.R., Peeters, L., Verhoye, M., Van der Linden, A., De Vos, W.H., and **Keliris, G.A.** Advancements in vascular imaging of the mouse brain. in European Molecular Imaging Meeting. 2018. San-Sebastian, Spain.
89. Hinz, R., Detrez, J.R., Peeters, L., Berghmans, C., Verhoye, M., Van der Linden, A., De Vos, W.H., and **Keliris, G.A.** Multiscale multimodal imaging of the mouse cerebral vascular architecture. in ISMRM-B. 2018. Antwerp, Belgium.
88. Hinz, R., Detrez, J.R., Peeters, L., Berghmans, C., Verhoye, M., Van der Linden, A., De Vos, W.H., and **Keliris, G.A.** An in-depth view of the mouse cerebral vascular architecture: a multiscale multimodal imaging approach. in BMIC goes EMIM. 2018. Gent, Belgium.
87. Hinz, R., Detrez, J.R., Peeters, L., Berghmans, C., Verhoye, M., Van der Linden, A., De Vos, W.H., and **Keliris, G.A.** An in-depth view of the mouse cerebral vascular architecture: a multiscale multimodal imaging approach. in European Molecular Imaging Meeting. 2018. San-Sebastian, Spain.
86. Hinz, R., Detrez, J.R., Peeters, L., Berghmans, C., Verhoye, M., Van der Linden, A., De Vos, W.H., and **Keliris, G.A.** Multiscale multimodal imaging of the mouse cerebral vascular architecture. in ISMRM-ESMRMB. 2018. Paris, France.
85. Grandjean, J., Canella, C., Anckaerts, C., Ayranci, G., Coletta, L.O., Gallino, D., Gass, N., Hübner, N.S., Kreitz, S., Mechling, A.E., Strobel, S., Wu, T., Wang, I., Chakravarty, M., Chang, W.-T., von Elverfeldt, D., Harsan, L.-A., Hess, A., **Keliris, G.A.**, Rudin, M., Sartorius, A., Jiang, T., Van der Linden, A., Verhoye, M., Weber-Fahr, W., Wenderoth, N., Zerbi, V., and Gozzi, A. Multi-centre resting-state fMRI comparison reveals common functional networks in the mouse brain. in Animal population workshop. 2018. Paris, France.
84. Grandjean, J., Canella, C., Anckaerts, C., Ayranci, G., Coletta, L.O., Gallino, D., Gass, N., Hübner, N.S., Kreitz, S., Mechling, A.E., Strobel, S., Wu, T., Wang, I., Chakravarty, M., Chang, W.-T., von Elverfeldt, D., Harsan, L.-A., Hess, A., **Keliris, G.A.**, Rudin, M., Sartorius, A., Jiang, T., Van der Linden, A., Verhoye, M., Weber-Fahr, W., Wenderoth, N., Zerbi, V., and Gozzi, A. Multi-centre resting-state fMRI comparison reveals common functional networks in the mouse brain. in Human Brain Mapping. 2018. Singapore.

83. Grandjean, J., Canella, C., Anckaerts, C., Ayranci, G., Coletta, L.O., Gallino, D., Gass, N., Hübner, N.S., Kreitz, S., Mechling, A.E., Strobel, S., Wu, T., Wang, I., Chakravarty, M., Chang, W.-T., von Elverfeldt, D., Harsan, L.-A., Hess, A., **Keliris, G.A.**, Rudin, M., Sartorius, A., Jiang, T., Van der Linden, A., Verhoye, M., Weber-Fahr, W., Wenderoth, N., Zerbi, V., and Gozzi, A. Multi-centre resting-state fMRI comparison reveals common functional networks in the mouse brain. in ISMRM-ESMRMB. 2018. Paris, France.
82. Belloy, M.E., Yousefi, B., Billings, J.C.W., Hinz, R., Van der Linden, A., Keilholz, S.D., **Keliris, G.A.**, and Verhoye, M. Whole brain Quasi-Periodic patterns interact with visual stimulation processing. in ISMRM-ESMRMB. 2018. Paris, France.
81. Belloy, M.E., Shah, D., Yousefi, B., Abbas, A., Kashyap, A., Van der Linden, A., **Keliris, G.A.**, Keilholz, S.D., and Verhoye, M. Quasi-Periodic patterns contribute to rsfMRI functional connectivity in a mouse model of Alzheimer's disease. in ISMRM-ESMRMB. 2018. Paris, France.
80. Belloy, M.E., Abbas, A., Van der Linden, A., **Keliris, G.A.**, Verhoye, M., and Keilholz, S.D. Regression of Quasi-Periodic patterns diminishes BOLD functional connectivity and reveals hidden dynamic correlations. in BMIC. 2018. Paris, France.
79. Van Ruijssevelt, L., Washington, S.D., Hamaide, J., Verhoye, M., **Keliris, G.A.**, and Van der Linden, A. Bilateral Song Processing in Zebra Finch Auditory Forebrain Reflects Asymmetric Sensitivity to Temporal and Spectral Features. in BMIC. 2017. Brussels, Belgium.
78. Takemura, H., Pestilli, F., Weiner, K.S., **Keliris, G.A.**, Landi, S.M., Sliwa, J., Ye, F.Q., Barnett, M.A., Leopold, D.A., Freiwald, W.A., Logothetis, N.K., and Wandell, B.A. Using diffusion MRI and tractography to identify macaque vertical occipital fasciculus. in ISMRM. 2017.
77. Takemura, H., Pestilli, F., Weiner, K.S., **Keliris, G.A.**, Landi, S.M., Sliwa, J., Ye, F.Q., Barnett, M.A., Leopold, D.A., Freiwald, W.A., Logothetis, N.K., and Wandell, B.A. Comparative neuroanatomy of occipital white matter tracts in human and macaque. in Society for Neuroscience. 2017. St. Pete Beach, Florida, USA.
76. Rina, A., Moutoussis, K., Logothetis, N.K., and **Keliris, G.A.** Color Processing in Human Visual Cortex: fMRI study on normal trichromats, daltonic subject and totally color blind patients. in Mind, Brain and Body Symposium. 2017. Berlin.
75. Rina, A., Fischer, M.D., Enthofer, T., Zhour, A., and **Keliris, G.A.** fMRI study in patients with CNGA3-Achromatopsia. in Mind, Brain and Body Symposium. 2017. Berlin.
74. Peeters, L., Hinz, R., Li, C., and **Keliris, G.A.** Functional connectivity decreases in a rat model of spatial neglect-like deficits. in National Congress of the Belgian Society for Neuroscience. 2017. Gent, Belgium.

73. Li, C., Hinz, R., Peeters, L., Praet, J., Verhoye, M., Naeyaert, M., Van der Linden, A., and **Keliris, G.A.** Altered brain structural networks in the APP/PS1 mice: evidence from multi-shell diffusion imaging. in National Congress of the Belgian Society for Neuroscience. 2017. Gent, Belgium.
72. Hinz, R., Peeters, L., Li, C., Van der Linden, A., and **Keliris, G.A.** A comparison of BOLD response between optogenetic and visual stimulation of the lateral Geniculate Nucleus. in National Congress of the Belgian Society for Neuroscience. 2017. Gent, Belgium.
71. Belloy, M.E., Naeyaert, M., **Keliris, G.A.**, Abbas, A., Keilholz, S.D., Van der Linden, A., and Verhoye, M. Dynamic resting state fMRI in mice: detection of Quasi-Periodic Patterns. in ISMRM-B. 2017.
70. Belloy, M.E., Naeyaert, M., **Keliris, G.A.**, Abbas, A., Keilholz, S.D., Van der Linden, A., and Verhoye, M. Dynamic resting state fMRI in mice: detection of Quasi-Periodic Patterns. in ISMRM. 2017.
69. Belloy, M.E., Naeyaert, M., **Keliris, G.A.**, Abbas, A., Keilholz, S.D., Van der Linden, A., and Verhoye, M. Dynamic resting state fMRI in mice: reveals large-scale quasi-periodic patterns. in BMIC. 2017. Brussels, Belgium.
68. Azevedo, F.A.C., Ortiz-Rios, M., Azevedo, L.C., Balla, D.Z., Lohmann, G., Logothetis, N.K., and **Keliris, G.A.** Resting state networks and visual activation are simultaneously present in the macaque brain during different states of consciousness. in ESMI-TOPIM. 2017.
67. Rina, A., Moutoussis, K., Logothetis, N.K., and **Keliris, G.A.** Processing and perception of color information in the brains of normal trichromats, patients with chromatic disturbances and colorblind (in Greek). in 4th Greek congress on Cognitive Psychology. 2016. Athens.
66. Hinz, R., Peeters, L., Li, C., Van der Linden, A., and **Keliris, G.A.** A comparison of BOLD response between optogenetic and visual stimulation of the Lateral Geniculate Nucleus. in FENS. 2016. Copenhagen.
65. Hinz, R., Giobellina, G., Peeters, L., Stoop, R., Van der Linden, A., and **Keliris, G.A.** In vivo opto-fMRI for whole-brain network mapping in rats. in International workshop Optogenetic approaches for pre-clinical studies. 2016. Paris.
64. Hinz, R., Giobellina, G., Peeters, L., Stoop, R., Van der Linden, A., and **Keliris, G.A.** In vivo opto-fMRI for whole-brain network mapping in rats. in School of Neurotechniques. 2016. Padova.
63. Azevedo, F.A.C., Ortiz-Rios, M., Azevedo, L.C., Balla, D.Z., Lohmann, G., Logothetis, N.K., and **Keliris, G.A.** Simultaneous resting-state and visually-driven functional networks in the macaque brain. in Society for Neuroscience. 2016.

62. Takemura, H., Pestilli, F., Weiner, K.S., **Keliris, G.A.**, Landi, S.M., Sliwa, J., Ye, F.Q., Barnett, M.A., Leopold, D.A., Freiwald, W.A., Logothetis, N.K., and Wandell, B.A. Occipital vertical fiber system in human and macaque. in Society for Neuroscience. 2015.
61. Papanikolaou, A., **Keliris, G.A.**, Lee, S., Logothetis, N.K., and Smirnakis, S.M. Population receptive field changes in hV5/MT+ of healthy subjects with simulated visual field scotomas. in Society for Neuroscience. 2015.
60. Ortiz, M., Azevedo, F.A.C., Azevedo, L.C., Balla, D.Z., Lohmann, G., Logothetis, N.K., and **Keliris, G.A.** Dynamic Functional Connectivity Reflects Complex Audiovisual Scenes Changes during Cognitive Processing. in IBRO World Congress. 2015. Rio de Janeiro.
59. Li, Q., Logothetis, N.K., and **Keliris, G.A.** Neural signals of motion integration are modulated by perception. in Society for Neuroscience. 2015.
58. Bahmani, H., Lakshminarasimhan, K.J., Logothetis, N.K., and **Keliris, G.A.** Spike-Field Coherence Reflects Perceptual State in Monkey Primary Visual Cortex. in IBRO World Congress. 2015. Rio de Janeiro.
57. Azevedo, F.A.C., Ortiz-Rios, M., Azevedo, L.C., Balla, D.Z., Lohmann, G., Logothetis, N.K., and **Keliris, G.A.** Eigenvector Centrality Mapping during Natural Viewing in the Macaque Brain. in IBRO World Congress. 2015. Rio de Janeiro.
56. Papanikolaou, A., **Keliris, G.A.**, Lee, S., Papageorgiou, T.D., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Organization of human area V5/MT+ and sensitivity to motion coherence after lesions of the primary visual cortex. in Society for Neuroscience. 2014.
55. Bahmani, H., Murayama, Y., Logothetis, N.K., and **Keliris, G.A.** Binocular Flash Suppression in the Primary Visual Cortex of Anesthetized and Awake Macaques. in Conference of Junior Neuroscientists of Tübingen. 2014.
54. Azevedo, F.A.C., Florin, E., Logothetis, N.K., and **Keliris, G.A.** Dynamics Changes of Bold Functional Connectivity during Natural Viewing in the Awake Macaque Brain. in AREADNE. 2014.
53. Shao, Y., **Keliris, G.A.**, Schmid, M.C., Papanikolaou, A., Logothetis, N.K., and Smirnakis, S.M. Population receptive field measurements in the visual cortex of macaque monkeys with and without retinal lesions. in Society for Neuroscience. 2013.
52. Papanikolaou, A., **Keliris, G.A.**, Papageorgiou, G.T., Shao, Y., Krapp, E., Papageorgiou, E., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Human area V5/MT+ organization changes following lesions of the primary visual cortex. in Society for Neuroscience. 2013.

51. Li, Q., Logothetis, N.K., and **Keliris, G.A.** Pattern motion signals from V1 receptive fields. in ECVP. 2013.
50. Li, Q., Logothetis, N.K., and **Keliris, G.A.** Parallel processes may underly pattern motion perception. in Bernstein Conference. 2013.
49. Lakshminarasimhan, K., Logothetis, N.K., and **Keliris, G.A.** Stimulus-dependent gamma-frequency shifting in the macaque V1. in Society for Neuroscience. 2013.
48. **Keliris, G.A.**, Shao, Y., Papanikolaou, A., Logothetis, N.K., and Smirnakis, S.M. Estimation of average single-unit receptive field size by fMRI. in Society for Neuroscience. 2013.
47. Bahmani, H., Logothetis, N.K., and **Keliris, G.A.** Effects of binocular flash suppression in the anesthetized macaque. in ECVP. 2013.
46. Bahmani, H., Logothetis, N.K., and **Keliris, G.A.** Effects of binocular flash suppression in awake and anesthetized macaque. in Bernstein Conference. 2013.
45. Azevedo, F.A.C., Azevedo, L.C., Logothetis, N.K., and **Keliris, G.A.** Effects of Visual Attention on Neural Processing in Rhesus' V1 by Simultaneous Electrophysiology and Bold-FMRI. in German Neuroscience Society. 2013.
44. Smirnakis, S.M., **Keliris, G.A.**, Shao, Y., Papanikolaou, A., and Logothetis, N.K. Population receptive field measurements in macaque visual cortex. in Vision Science Society. 2012.
43. Shao, Y., **Keliris, G.A.**, Papanikolaou, A., Fischer, D.M., Nagy, D., Jaegle, H., Augath, M.A., Logothetis, N.K., and Smirnakis, S.M. Population receptive field measurements in the visual cortex of macaque monkeys with and without retinal lesions. in AREADNE. 2012.
42. Papanikolaou, A., **Keliris, G.A.**, Papageorgiou, D.T., Shao, Y., Krapp, E., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Population Receptive Field Mapping in Human Subjects after Lesions of the Visual Pathway. in AREADNE. 2012.
41. Li, Q., Fleming, R.W., Logothetis, N.K., and **Keliris, G.A.** Multi-Stable Visual Motion Perception. in Bernstein Conference. 2012.
40. Lee, S., **Keliris, G.A.**, Papanikolaou, A., Smirnakis, S.M., and Logothetis, N.K. Visualization of the population receptive field structures in human visual cortex. in Society for Neuroscience. 2012.
39. Bahmani, H., Logothetis, N.K., and **Keliris, G.A.** The role of parietal visual cortex in perceptual transitions during bistable perception. in Vision Science Society. 2012.
38. Azevedo, F.A.C., Azevedo, L.C., Logothetis, N.K., and **Keliris, G.A.** Effects of visual attention on neural processing in Rhesus' V1 by simultaneous electrophysiology and BOLD-fMRI. in ERNI-HSF Science Meeting. 2012.

37. Azevedo, F.A.C., Azevedo, L.C., Logothetis, N.K., and **Keliris, G.A.** Effects of spatial attention on neural processing in rhesus' V1: a simultaneous electrophysiology and fMRI study. in Conference of Junior Neuroscientists of Tübingen. 2012.
36. Shao, Y., **Keliris, G.A.**, Papanikolaou, A., Augath, M.A., Logothetis, N.K., and Smirnakis, S.M. Population receptive field measurements in visual cortex of macaque monkeys. in Society for Neuroscience. 2011.
35. Papanikolaou, A., **Keliris, G.A.**, Shao, Y., Krapp, E., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Population receptive field mapping in human subjects with visual cortical lesions. in Conference of Junior Neuroscientists of Tübingen. 2011.
34. Papanikolaou, A., **Keliris, G.A.**, Shao, Y., Krapp, E., Papageorgiou, E., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Population receptive field mapping in human subjects with lesions of the visual cortex. in Society for Neuroscience. 2011.
33. Bahmani, H., Logothetis, N.K., and **Keliris, G.A.** Neural Correlates of Binocular Rivalry in Parietal Cortex. in Bernstein Conference. 2011.
32. Bahmani, H., Logothetis, N.K., and **Keliris, G.A.** Neural Correlates of Binocular Rivalry in Parietal Cortex. in Conference of Junior Neuroscientists of Tübingen. 2011.
31. Shao, Y., **Keliris, G.A.**, Papanikolaou, A., Fischer, D.M., Nagy, D., Jägle, H., Seeliger, M.W., Augath, M.A., Logothetis, N.K., and Smirnakis, S.M. Population receptive field mapping in a macaque monkey with macular degeneration. in Society for Neuroscience. 2010.
30. Papanikolaou, A., **Keliris, G.A.**, Peng, X., Shao, Y., Krapp, E., Papageorgiou, E., Schiefer, U., Logothetis, N.K., and Smirnakis, S.M. Population receptive field mapping in human subjects with visual cortical lesions. in Society for Neuroscience. 2010.
29. **Keliris, G.A.**, Shao, Y., Papanikolaou, A., Peng, X., Logothetis, N.K., and Smirnakis, S.M. Assessing the spatio-temporal dynamics of visual receptive fields by fMRI. in Society for Neuroscience. 2010.
28. Ecker, A.S., Berens, P., **Keliris, G.A.**, Bethge, M., Logothetis, N.K., and Tolias, A.S. Decorrelated Firing in Cortical Microcircuits. in AREADNE. 2010.
27. Ecker, A.S., Berens, P., **Keliris, G.A.**, Bethge, M., Logothetis, N.K., and Tolias, A.S. Decorrelated neuronal firing in cortical microcircuits. in Society for Neuroscience. 2010.
26. Stoewer, S., Duncan, J., Bartels, A., **Keliris, G.A.**, Logothetis, N.K., and Sigala, N. SANDBOX, an interactive fMRI data visualization toolbox. in Cambridge Neuroscience Seminar. 2009.

25. Panagiotaropoulos, T.I., Kapoor, V., **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. High frequency local field potentials and multi unit activity reflect visual awareness in the macaque prefrontal cortex. in European Brain and Behaviour Society. 2009.
24. **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. Primary visual cortex contributions in perceptual suppression. in Society for Neuroscience. 2009.
23. Kapoor, V., Whittingstall, K., Panagiotaropoulos, T.I., **Keliris, G.A.**, and Logothetis, N.K. Comparing inter-ocular switch and classical binocular rivalry in the human brain using eeg. in Society for Neuroscience. 2009.
22. Kapoor, V., Whittingstall, K., Panagiotaropoulos, T.I., **Keliris, G.A.**, and Logothetis, N.K. Comparing inter-ocular switch and classical binocular rivalry in the human brain using EEG. in Conference of Junior Neuroscientists of Tübingen. 2009.
21. Panagiotaropoulos, T.I., Kapoor, V., **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. Single units reflect visual awareness in the macaque prefrontal cortex. in AREADNE. 2008.
20. Panagiotaropoulos, T.I., Kapoor, V., **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. Neurophysiological substrates of visual awareness in the macaque prefrontal cortex. in FENS. 2008. European Brain and Behaviour Society.
19. **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. Binocular Flash Suppression in area V1 of the macaque. in Inter-Science of Learning Center. 2008.
18. **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. The Role of Primary Visual Cortex in Perceptual Awareness. in AREADNE. 2008.
17. **Keliris, G.A.**, Tolias, A.S., and Logothetis, N.K. The Role of Primary Visual Cortex (V1) in Perceptual Suppression. in FENS. 2008.
16. Bartels, A., Panagiotaropoulos, T.I., **Keliris, G.A.**, and Logothetis, N.K. On the neural mechanisms of binocular rivalry. in International Conference on Cognitive Neurosciences. 2008.
15. Tolias, A.S., Ecker, A., **Keliris, G.A.**, Panagiotaropoulos, T.I., Panzeri, S., and Logothetis, N.K. Population codes, correlations and coding uncertainty. in Neural Coding, Computation and Dynamics. 2007.
14. Ecker, A.S., Siapas, A.G., Hoenselaar, A., Berens, P., **Keliris, G.A.**, Logothetis, N.K., and Tolias, A.S. Recording chronically from the same neurons in awake, behaving primates. in Society for Neuroscience. 2007.
13. Ecker, A.S., Berens, P., **Keliris, G.A.**, Logothetis, N.K., and Tolias, A.S. A Data Management System for Electrophysiological Data Analysis. in German Neuroscience Society. 2007.

12. Berens, P., **Keliris, G.A.**, Ecker, A.S., Logothetis, N.K., and Tolias, A.S. Orientation tuning of the local field potential and multi-unit activity in the primary visual cortex of the macaque. in German Neuroscience Society. 2007.
11. Berens, P., Ecker, A.S., **Keliris, G.A.**, Logothetis, N.K., and Tolias, A.S. On the spatial scale of the local field potential - orientation and ocularity tuning of the local field potential in the primary visual cortex of the macaque. in Society for Neuroscience. 2007.
10. Tolias, A.S., Ecker, A., **Keliris, G.A.**, Siapas, T.G., Smirnakis, S.M., and Logothetis, N.K. Structure of interneuronal correlations in the primary visual cortex of the rhesus macaque. in COSYNE. 2006.
9. **Keliris, G.A.**, Logothetis, N.K., and Tolias, A.S. Perceptual Suppression in area V1 of the Macaque. in AREADNE. 2006.
8. Berens, P., Ecker, A.S., Hoenselaar, A., **Keliris, G.A.**, Siapas, A.G., Logothetis, N.K., and Tolias, A.S. Spikes are phase locked to the gamma-band of the local field potential oscillations in the primary visual cortex of the macaque. in AREADNE. 2006.
7. Tolias, A.S., **Keliris, G.A.**, Ecker, A.S., Siapas, A.G., Smirnakis, S.M., and Logothetis, N.K. Structure of interneuronal correlations in the primary visual cortex of the Rhesus macaque. in Society for Neuroscience. 2005.
6. **Keliris, G.A.**, Smirnakis, S.M., Tolias, A.S., and Logothetis, N.K. Directional selectivity of human visual areas after adaptation to motion stimuli: an fMRI study. in Society for Neuroscience. 2005.
5. **Keliris, G.A.** Neuronal mechanisms underlying binocular flash suppression. in Kloster Seeon. 2005. Austria.
4. Moutoussis, K., **Keliris, G.A.**, Kourtzi, Z., and Logothetis, N.K. Neural correlates of motion perception in the human visual brain. in Human Brain Mapping. 2004.
3. Moutoussis, K., **Keliris, G.A.**, Kourtzi, Z., and Logothetis, N.K. The involvement of different areas of the human visual brain in motion perception. in Society for Neuroscience. 2004.
2. **Keliris, G.A.**, Smirnakis, S.M., Logothetis, N.K., and Tolias, A.S. Motion processing in area V4 revealed with adaptation: Tetrode recordings in the awake, behaving macaque. in Society for Neuroscience. 2004.
1. **Keliris, G.A.**, Smirnakis, S.M., Kourtzi, Z., Tolias, A.S., and Logothetis, N.K. fMRI Correlates of Perceptual Filling-in in a Moving Random Dot Paradigm. in Society for Neuroscience. 2002.